

```

graph TD
    1[CONTROLLER] -- "SETS PID VALUE" --> 3[ ]
    3 -- "SP" --> 34[CONTROLLER SIMULATION UNIT]
    1 -- "MANIPULATED VARIABLE (MV)" --> 34
    34 -- "PV" --> 33[CONTROLLED-OBJECT MODEL]
    33 -- "CONTROLLED VARIABLE (PV)" --> 2[CONTROLLED OBJECT]
    2 -- "CONTROLLED VARIABLE (PV)" --> 30[CONTROL DATA COLLECTION UNIT]
    30 -- "31" --> 31[CONTROL DATA STORAGE UNIT]
    30 -- "32" --> 32[CONTROLLED-OBJECT MODEL GENERATION UNIT]
    32 -- "TRANSFER FUNCTION 34" --> 35[INPUT/OUTPUT UNIT]
    35 -- "35" --> 34
    34 -- "ADJUSTMENT FUNCTION" --> 34
    34 -- "OUTPUT FUNCTION" --> 34
    34 -- "SENDING FUNCTION" --> 34

```

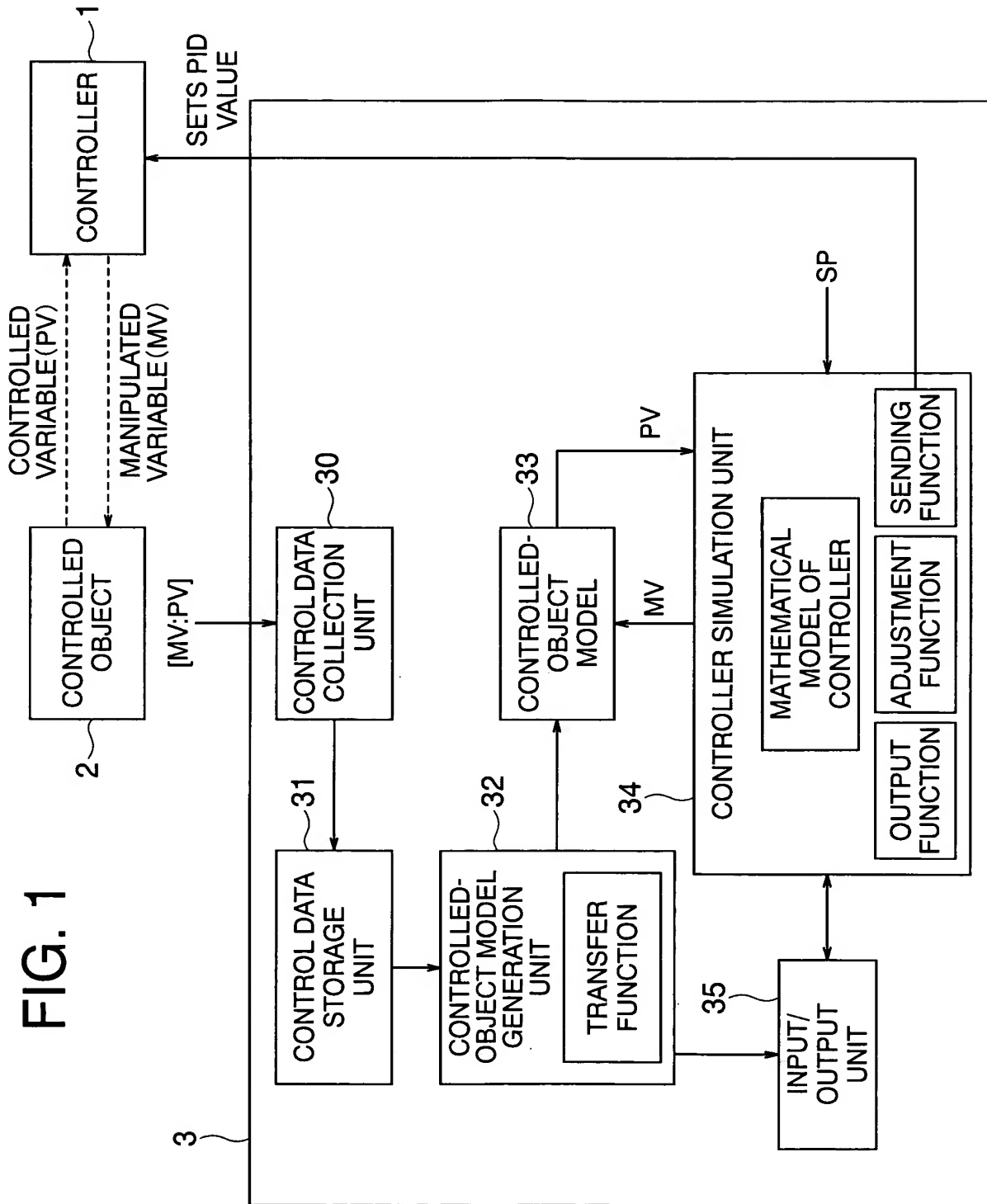


FIG. 2

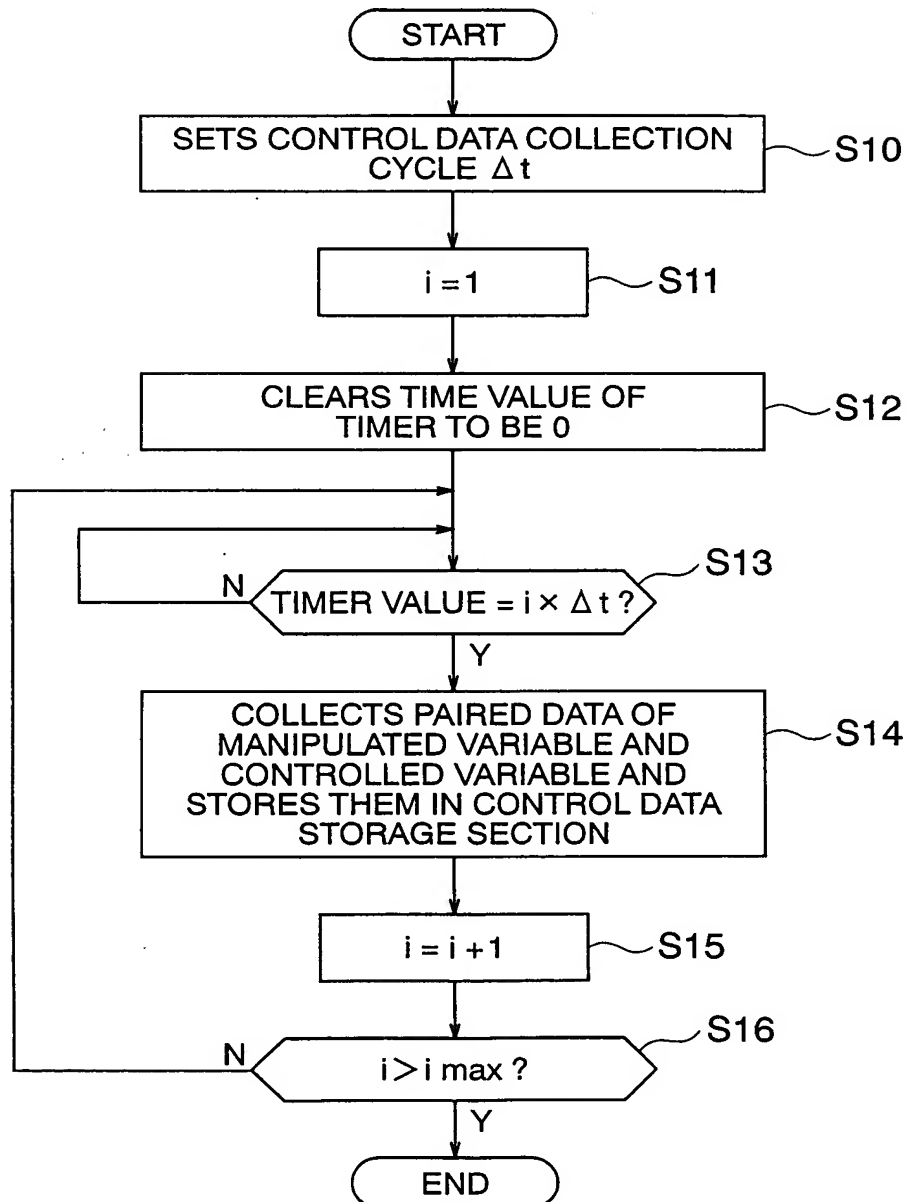


FIG. 3

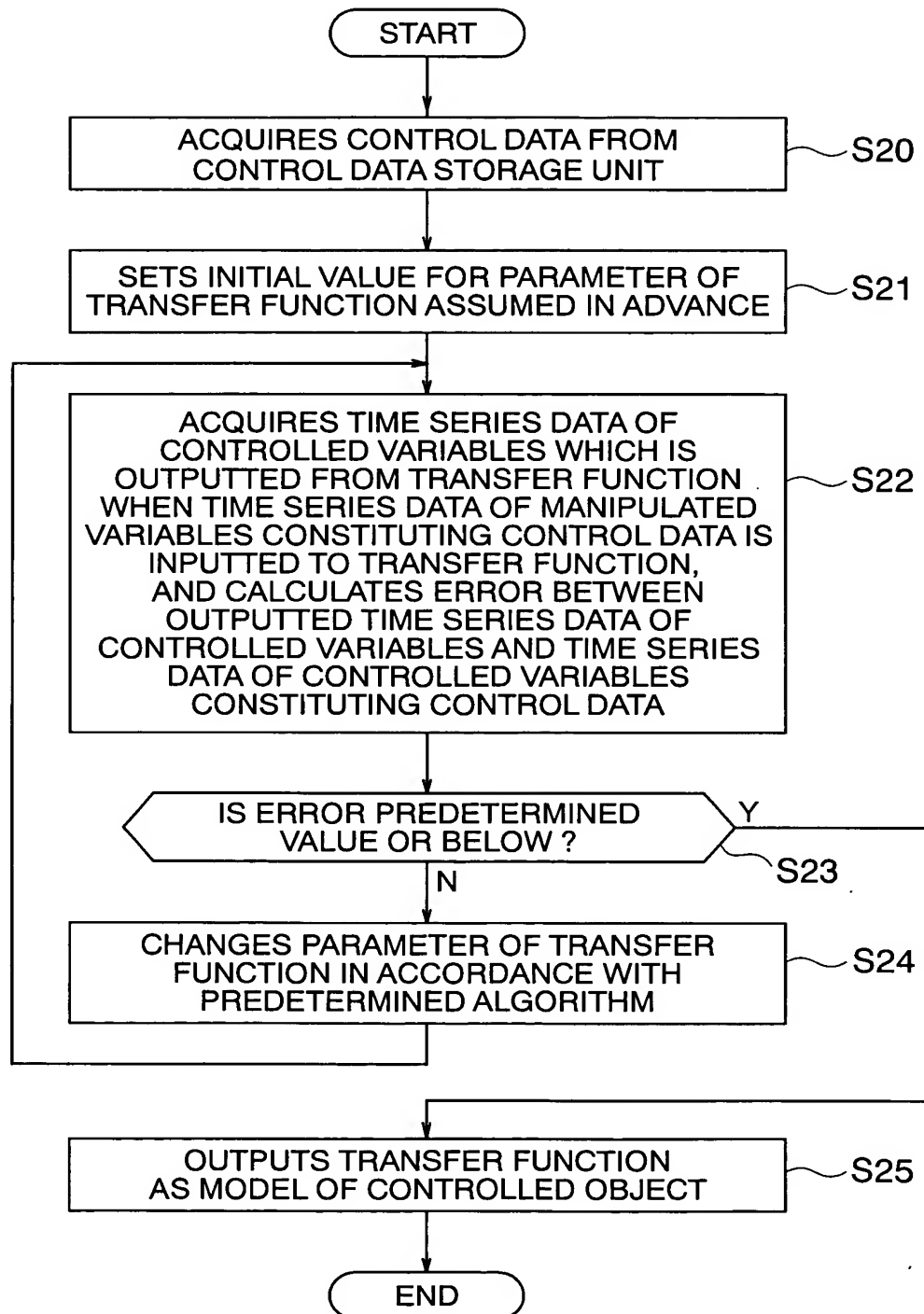


FIG. 4

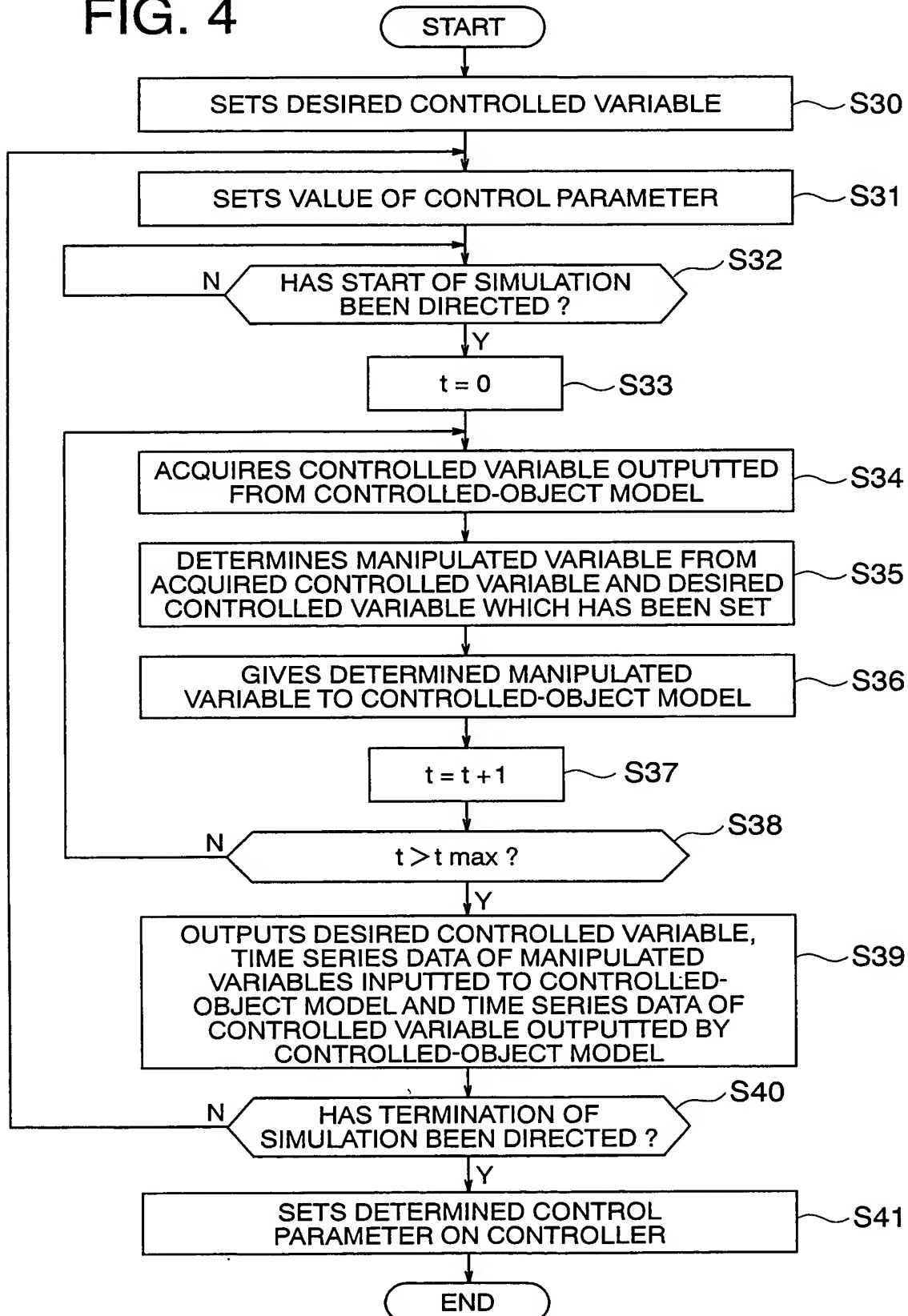


FIG. 5

[illegible]

FIG. 6

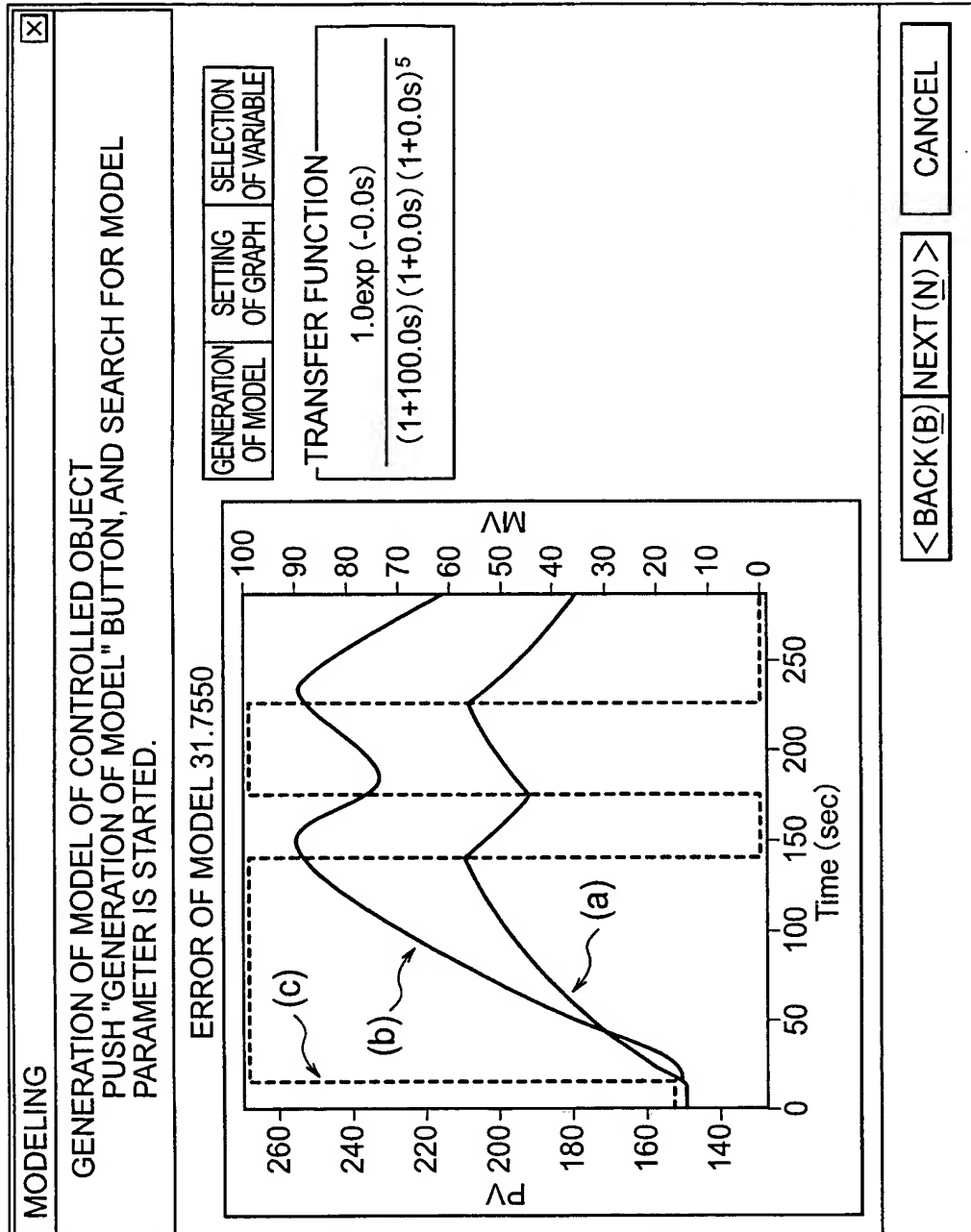
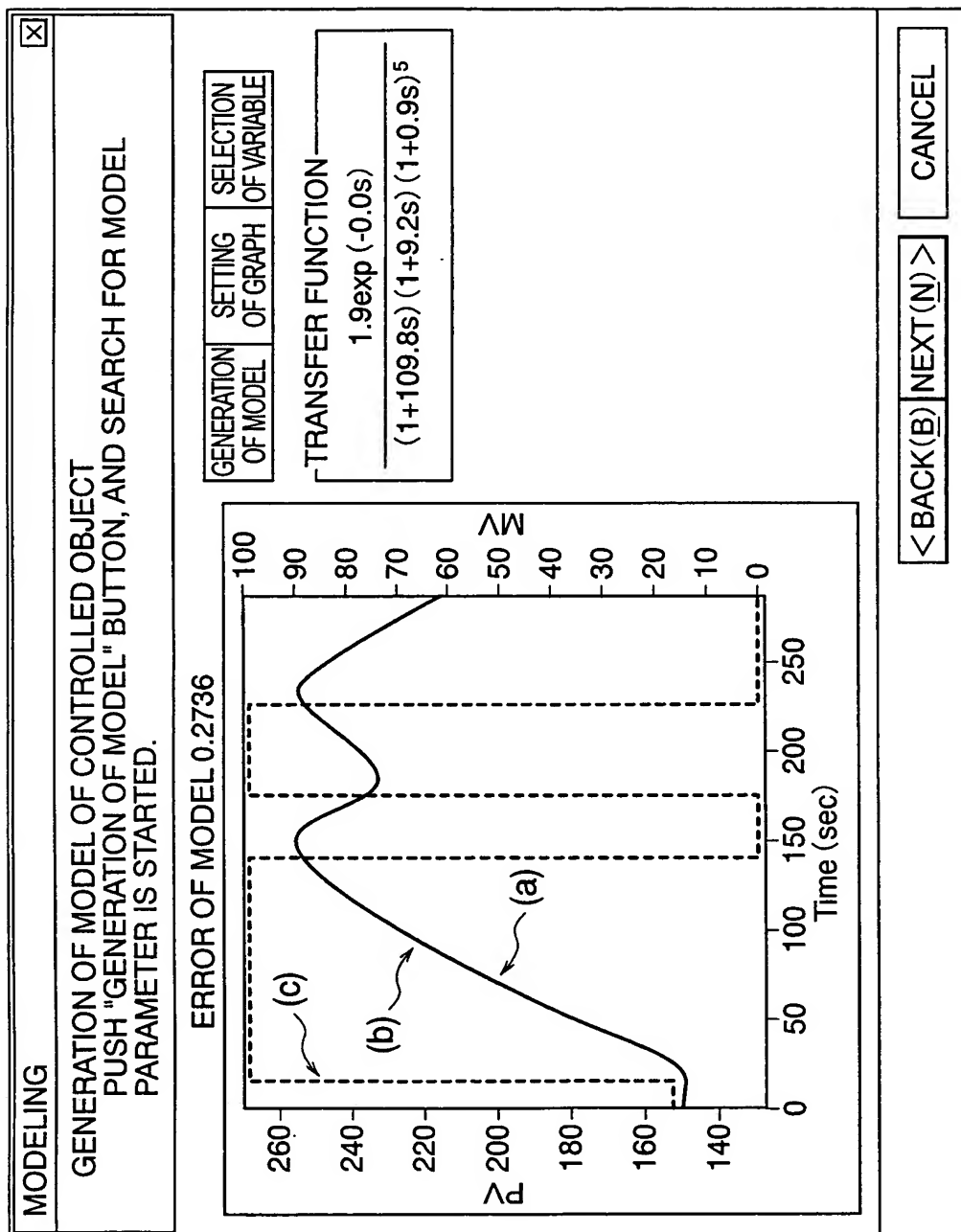


FIG. 7



PID CONTROL SIMULATION

PID CONTROL SIMULATION
PERFORMS PID CONTROL SIMULATION UNDER VARIOUS CONDITIONS.

ADJUSTMENT OF PID **SETTING OF GRAPH** **SWITCHING OF INPUT**

☐ SDC10/DMC10

P (PROPORTIONAL) BAND 1.0

I (INTEGRAL) TIME 7.0

D (DERIVATIVE) TIME 2.0

PID MEMO ADD CLEAR

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Graph Data:

Time (sec)	Process Variable (PV)
0	150
50	180
100	210
150	240
200	245
250	245

FIG. 9

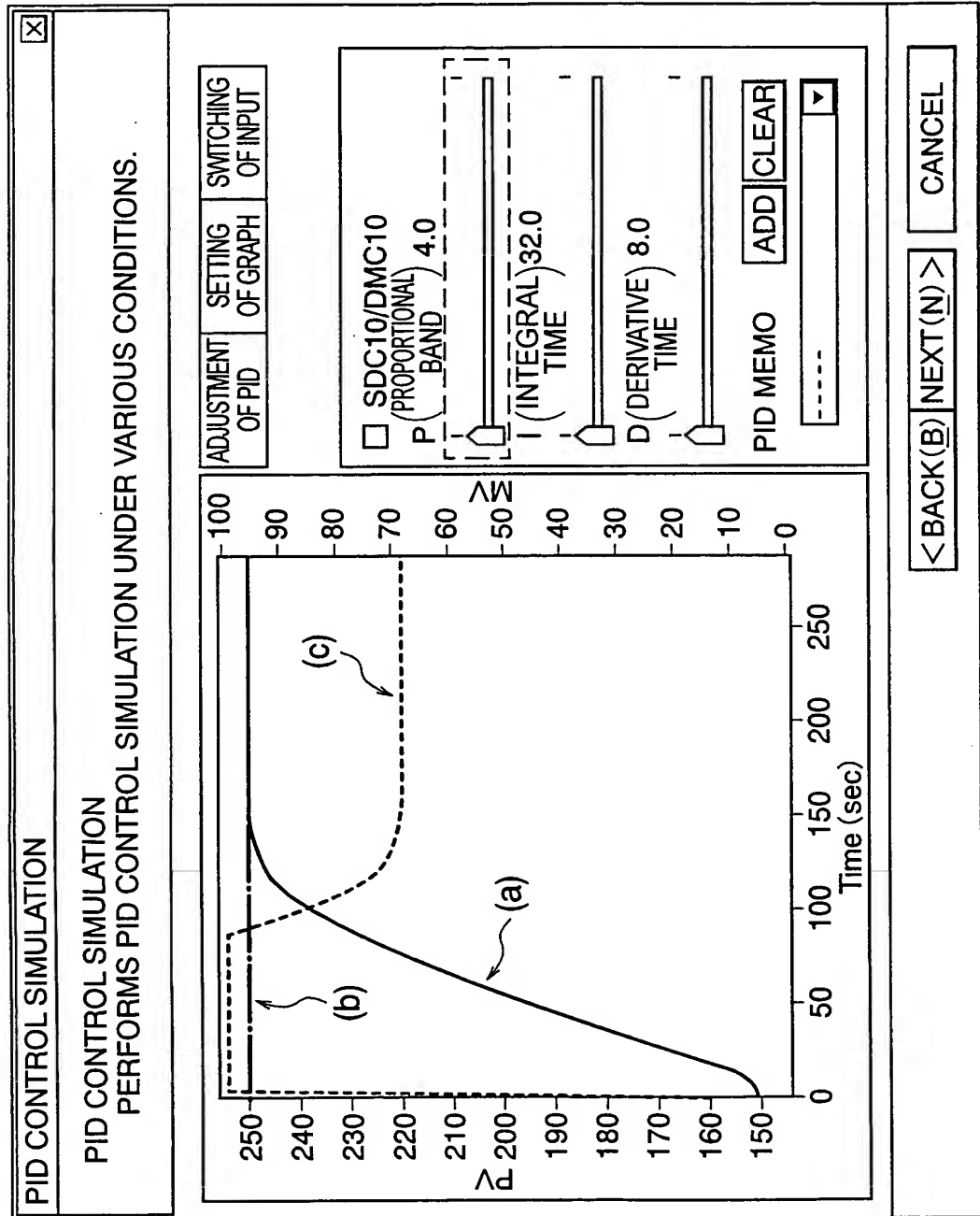


FIG. 10

